AR-ES0631

User Manual

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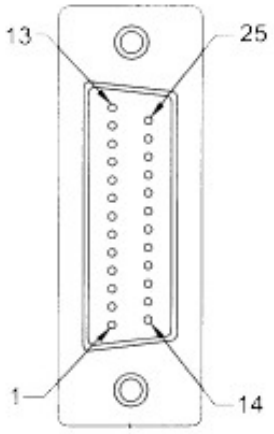
1. LVDS connector pin assignment

LVDS connector Pin Assignment

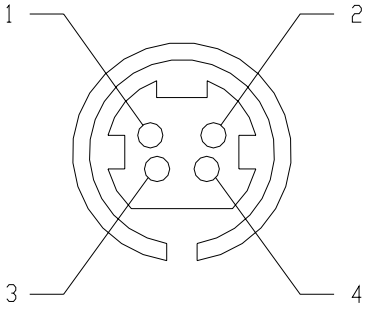
Pin	Description	Pin	Description
1	VCC	14	CLK-
2	VCC	15	CLK+
3	NC	16	GND
4	NC	17	NC
5	Y0-	18	NC
6	Y0+	19	NC
7	GND	20	VCC12
8	Y1-	21	VCC12
9	Y1+	22	GND
10	GND	23	BKLEN
11	Y2-	24	GND
12	Y2+	25	BKLTCTL
13	GND		



2. Power connector pin assignment

LVDS connector Pin Assignment

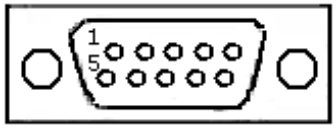
Pin	Description	Pin	Description
1	12V	3	GND
2	12V	4	GND



3 COM1 to COM4 connector pin assignment

COM1 to COM4 connector pin assignment

Pin	Description	Pin	Description
1	NDCD	6	NRX
2	NTX	7	NDTR
3	GND	8	NDSR
4	NRTS	9	NCTS
5	NRIA_12V	10	NC



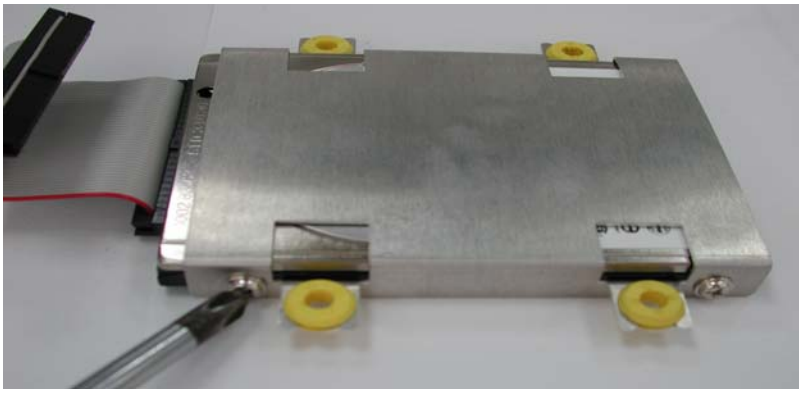
* NRIA_12V: Please see AR-B1631 manual for detail data.

4.Procedure of Assembly/Disassembly cables from the board.

4-1 Installing the 2.5”Hard Disk Drive(HDD)

The following are instruction for installation.

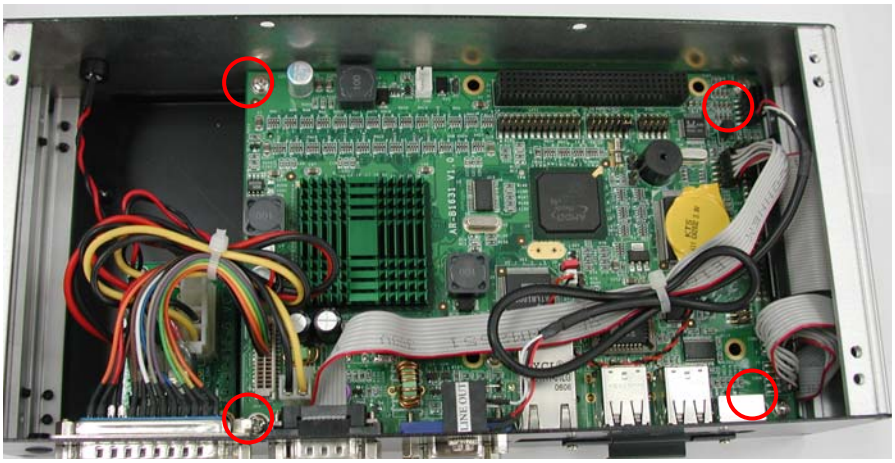
1. Installing anti-vibategrommet on the HDD bracket
2. Connect IDE cable to HDD
3. Place HDD into HDD bracket and screw them together



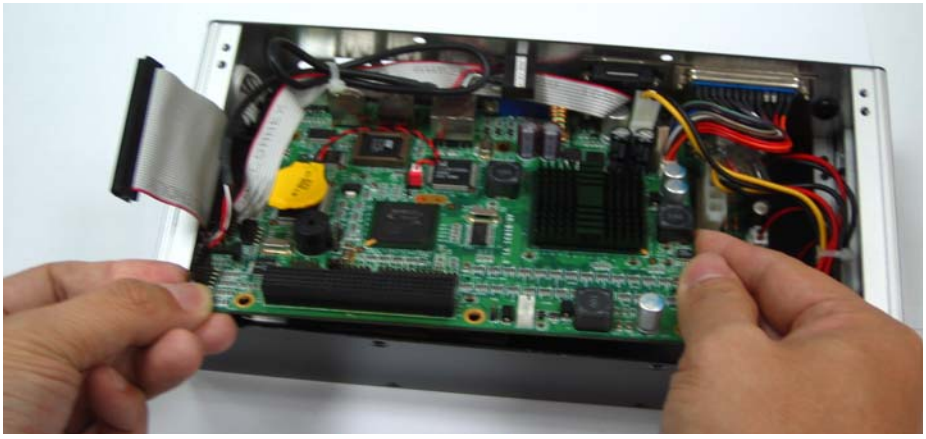
4. Remove power Cord
5. Unscrew the four screws from top cover of AR-ES0631

6. Unscrew the four screws from front panel and back panel

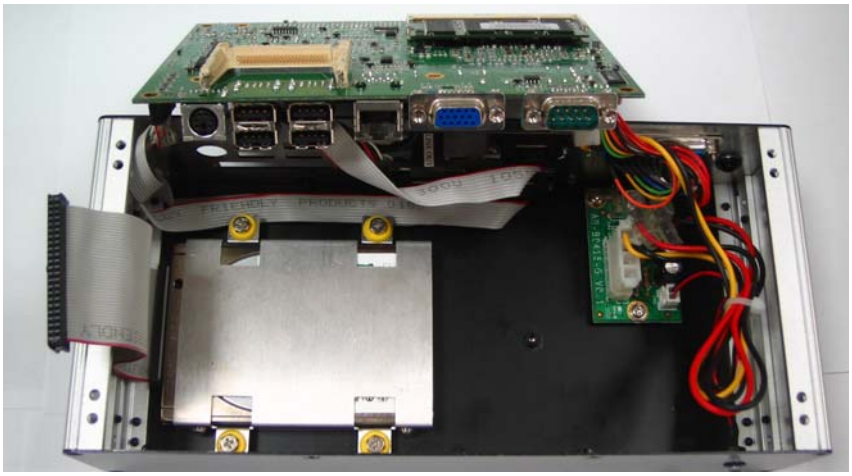
7. Remove top cover of AR-ES0631
8. Unscrew four screw from PCBA of AR-ES0631



9. Remove the PCBA from AR-ES0631



10. Place HDD with bracket on the bottom case and assemble them together



11. Put PCBA back and screw it on the AR-ES0631 bottom case

12. Plug IDE cable to PCBA IDE connector

13. Put top cover back to AR-ES0631 and screw four screws

14. Screw the four screws on front panel and back panel

LVDS
COM2
AUDIO
LAN
VGA
POWER
DC12V
COM3
COM4
CF

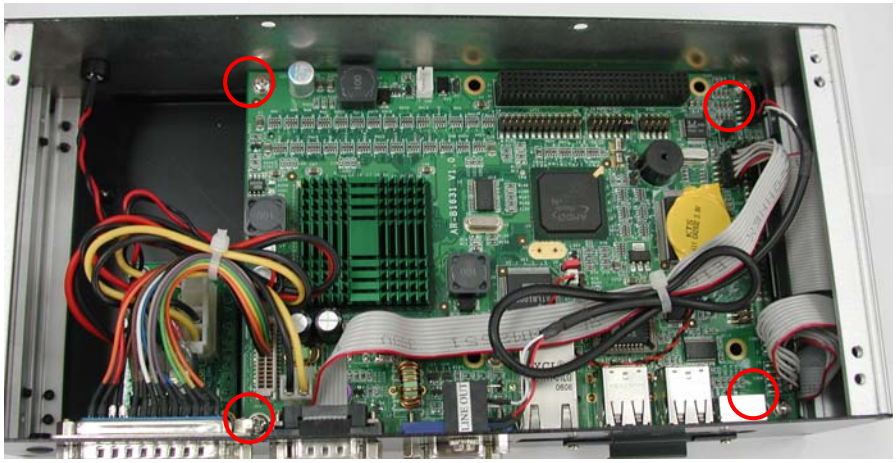
4-2 Installing an memory card to AR-ES0631

The procedure of installing a Memory Card into AR-ES0631 is detailed below, Please follow these steps carefully.

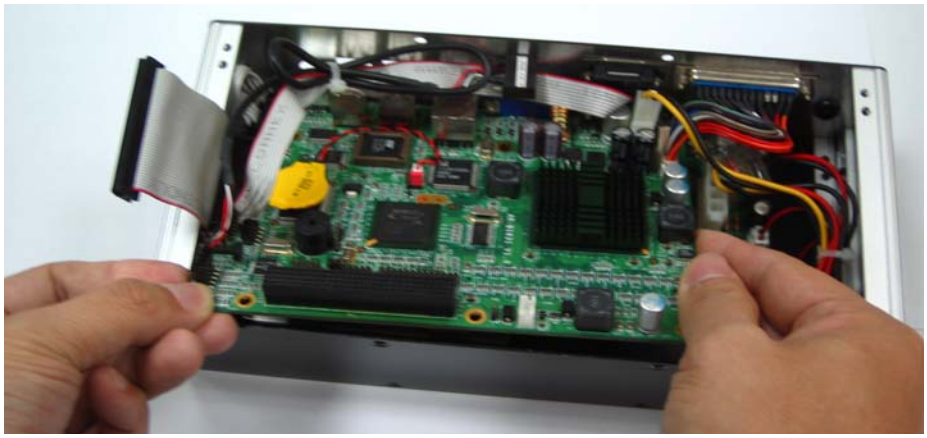
1. Remove power cord
2. Unscrew four screws from top case of AR-ES0631

3. Unscrew four screws from front and back panel

4. Remove IDE cable if you have a HDD in this AR-ES631 system.
5. Unscrew four screws on PCBA of AR-ES0631



6. Remove the PCBA from AR-ES0631



7. Plug Memory card into the socket

8. Put PCBA back and screw it on the AR-ES0631 bottom case

9. Connect IDE cable to IDE socket on the PCBA

10. Put top cover back to AR-ES0631 and screw four screws

11. Screw the four screws on front panel and back panel

LVDS
COM2
AUDIO
VGA
LAN
POWER
DC12V
COM3
COM4
CF

4-3 Inserting a Compact Flash Card

The procedure of installing a Compact Flash Card into AR-ES0631 is detailed below, Please follow these steps carefully.

1. Remove power Cord
2. Unscrew the two screw from the CF door located on rear plate of AR-ES0631

3. Remove the CF carrier
4. Placing a Compact Flash card with your OS or application program into a CF carrier

5. Inserting the CF carrier back and assembling with 2 screws to CF door located on rear panel.